NOTICE

All drawings located at the end of the document.

RMRS Rocky Mountain Remediation Services, L L C
protecting the environment

PROCEDURE

RCRA ORGANIC AIR EMISSIONS MONITORING, BUILDING 774

RMRS/OPS-PRO 052
REVISION 1
Date Effective 11/11/99

APPROVED BY _____
Decommissioning SNM & Environmental Compliance

1. PURPOSE

This procedure provides instructions for monitoring vapors from organic liquid waste system leaks for Building 774

2. SCOPE

This procedure provides instructions for using the Organic Vapor Monitor (OVM) to detect any vapors from organic liquid system leaks located within building 774 It provides data required in the Resource Conservation and Recovery Act (RCRA) Inspection Logsheet (Title 40 CFR) which meets federal and state regulatory requirements

This procedure supersedes RMRS/OPS-PRO 052, Revision 0

3. LIMITATIONS AND PRECAUTIONS

3.1 General Area

- Eye showers, safety showers, and fire extinguishers shall be located in the area
- Refer to the Building 774 Material Safety Data Sheets (MSDS) specific to the chemical organics that may be contained in the systems to be inspected (OSHA Manual)
- To prevent tripping accidents, all tools and equipment shall be returned after usage
- Alarms shall be responded to in accordance with RMRS/OPS-PRO 143 Alarm Response Building 774, 3-R96-BERO-14 774, Building 774 Emergency Response Operations and the RFETS Radiological Control Manual

5. INSTRUCTIONS—MONITORING

NOTE 1 *A leak is indicated by either of the following conditions*

- *Any indication of leaks from equipment, line or connector (i e , visual, olfactory, auditory, etc)*

  OR,

- *Any fluid sensor (e g , compressors) indicating a failure of the seal system*

NOTE 2 *This procedure does not provide instructions for the containment and/or decontamination of leaking equipment*

NOTE 3 *Documentation for work performed by this procedure is recorded on the RCRA Logsheet*

Operator

[1] Obtain an OVM and the OVM operating instructions from the Supervisor

NOTE *Appendix 2, Schematics, is an operator aid used for general location of equipment subject to the organic air emissions regulations*

[2] Locate the equipment, line or connector to be monitored, using Appendix 1, RCRA Organic Equipment Location, and Appendix 2

NOTE *Equipment, line or connector is monitored by slowly transferring the instrument sampler probe within two inches of the leak.*

[3] Hold the end of the OVM probe within 2 inches of the equipment, line or connector to be monitored for a minimum of 30 seconds or as instructed

6. TAGGING DEFECTIVE EQUIPMENT

NOTE *This is a stand-alone section and is to be performed after the initial response to a discovered leak or damage has been completed (i e contained and/or decontaminated) using appropriate procedures*

Operator

[1] Obtain a yellow Leak Detection Tag from the supervisor (See Appendix 3 for an example of the tag)

NOTE *The yellow Leak Detection Tag may only be removed after the leak has been corrected and monitored for two successive months with no leak detected*

[2] Fill out the yellow Leak Detection Tag, using an appropriate marker, with the equipment, line or connector location number, the date the leak was detected, and the following in the COMMENTS section DO NOT REMOVE UNTIL LEAK LOCATION HAS BEEN MONITORED 2 SUCCESSIVE MONTHS

[3] Find the equipment, line or connector identified as leaking with the help of Appendix 2

[4] Attach the yellow Leak Detection Tag as near to the leaking equipment, line or connector as is practical

NOTE: *A first attempt at repair (e g , tightening, bolt replacement, etc) shall be made no later than 5 days from the date of discovery Should the first attempt at repair not be successful, the equipment, line or connector shall be repaired no later than 15 days from the date of discovery*

[5] Submit the appropriate paperwork in accordance with MAN-071-IWCP, Integrated Work Control Program Manual to correct the deficiency(ies)

[6] Document **ALL** corrective actions (i e tagging, work control form) on the RCRA Inspection Logsheet in the comment section

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8. REFERENCES

Title 40 CFR, Part 264, Subpart BB

Title 6, Code of Colorado Regulations volume 1007-3, Part 264, subpart BB, and Part 265, subpart BB

Occupational Safety and Health Administration (OSHA) Manual

MAN-071-IWCP, Integrated Work Control Program Manual

MAN-066-COOP, Site Conduct of Operations Manual

Radiological Safety Practices Manual

RFETS Radiological Control Manual

RMRS/OPS-PRO 143, Alarm Response Building 774

RM-06 02, Records Identification, Generation and Transmittal

3-R96-BERO-14 774, Building 774 Emergency Response Operations

APPENDIX 1

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RCRA ORGANIC EQUIPMENT LOCATION

ROOM #	DRAWING #	TYPE	EQUIP #
210	041	Flange	56F916
210	041	Flange	56F917
210	041	Flange	56F918
210	041	Flange	56F919
210	041	Flange	56F920
210	041	Flange	56F923
210	041	Flange	56F925
210	041	Flange	56F927
210	041	Flange	56F928
210	041	Flange	56F931
210	041	Flange	56F932
210	041	Flange	56F935
210	041	Flange	56F938
210	041	Flange	56F939
210	041	Flange	56F940
210	041	Flange	56F941
210	041	Flange	56F942
210	041	Pump	56P900
210	041	Pump	56P901
210	041	Relief	56R900
210	041	Relief	56R901
210	041	Relief	56R902
210	041	Valve	56V846
210	041	Valve	56V900
210	041	Valve	56V901
210	041	Valve	56V902
210	041	Valve	56V903
210	041	Valve	56V904
210	041	Valve	56V905
210	041	Valve	56V906

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RCRA ORGANIC EQUIPMENT LOCATION

ROOM #	DRAWING #	TYPE	EQUIP #
210	042	Flange	56F850
210	042	Flange	56F851
210	042	Flange	56F852
210	042	Flange	56F853
210	042	Flange	56F855
210	042	Flange	56F856
210	042	Flange	56F858
210	042	Flange	56F860
210	042	Flange	56F861
210	042	Flange	56F862
210	042	Pump	56P850
210	042	Valve	56V845
210	042	Valve	56V847
210	042	Valve	56V848
210	042	Valve	56V849
210	042	Valve	56V850
210	042	Valve	56V851
210	042	Valve	56V852
210	042	Valve	56V853
210	042	Valve	56V854
210	042	Valve	56V855
210	042	Valve	56V856
210	042	Valve	56V857
210	042	Valve	56V858
210	042	Valve	56V859
210	042	Valve	56V860
210	042	Valve	56V861
210	042	Valve	56V862
210	042	Valve	56V863
210	042	Valve	56V864

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RCRA ORGANIC EQUIPMENT LOCATION

ROOM #	DRAWING #	TYPE	EQUIP #
220	044	End	E001
220	044	End	E002
220	044	End	E003
220	044	End	E004
220	044	End	E005
220	044	End	E006
220	044	Flange	F001
220	044	Flange	F002
220	044	Flange	F003
220	044	Flange	F004
220	044	Flange	F005
220	044	Flange	F006
220	044	Relief	R001
220	044	Relief	R002
220	044	Valve	MV-102/A
220	044	Valve	MV-102/B
220	044	Valve	MV-104-006
220	044	Valve	MV-104-007
220	044	Valve	MV-104-008
220	044	Valve	MV-468
220	044	Valve	MV-469
220	044	Valve	MV-469A
220	044	Valve	MV-471
220	044	Valve	MV-471A
220	044	Valve	MV-734
220	044	Valve	MV-735

APPENDIX 3

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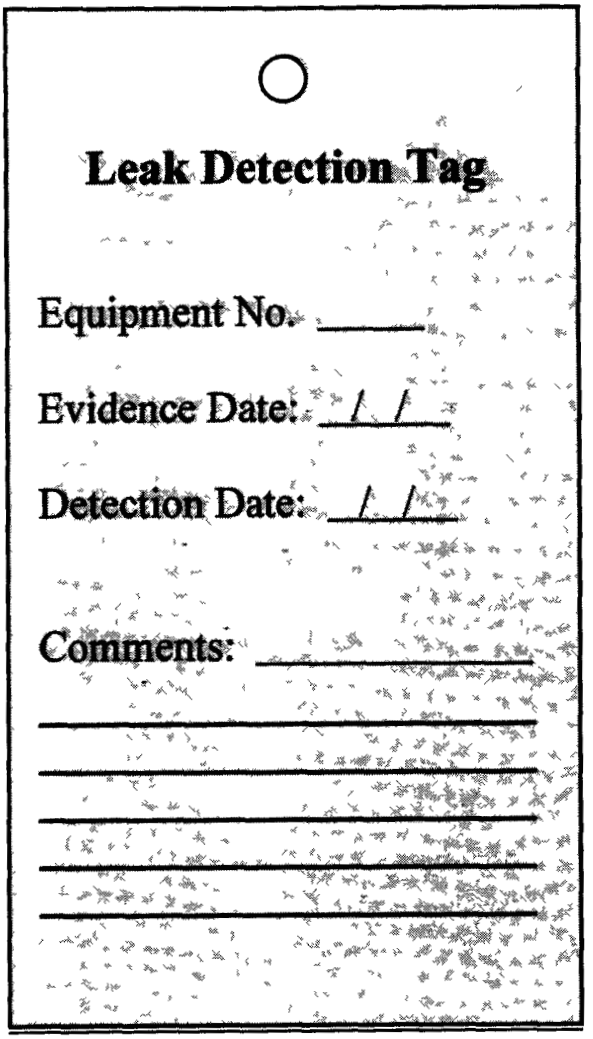
LEAK DETECTION TAG



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RCRA ORGANIC EQUIPMENT LOCATION

ROOM #	DRAWING #	TYPE	EQUIP #
210	042	Valve	56V866
210	042	Valve	56V867
210	042	Valve	56V868
210	042	Valve	56V869
210	043	End	56E876
210	043	End	56E877
210	043	Flange	56F835
210	043	Valve	56V878
210	043	Valve	56V879
210	045	End	56E820
210	045	Flange	56F820
210	045	Flange	56F821
210	045	Flange	56F822
210	045	Flange	56F825
210	045	Flange	56F828
210	045	Flange	56F829
210	045	Valve	56V820
210	045	Valve	56V821
210	045	Valve	56V822
210	045	Valve	56V823
210	045	Valve	56V824
210	045	Valve	56V825
210	045	Valve	56V826
210	045	Valve	56V827

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RCRA ORGANIC EQUIPMENT LOCATION

ROOM #	DRAWING #	TYPE	EQUIP #
210	041	Valve	56V907
210	041	Valve	56V908
210	041	Valve	56V909
210	041	Valve	56V911
210	041	Valve	56V916
210	041	Valve	56V917
210	041	Valve	56V920
210	041	Valve	56V921
210	041	Valve	56V922
210	041	Valve	56V923
210	041	Valve	56V924
210	041	Valve	56V925
210	041	Valve	56V926
210	041	Valve	56V927
210	041	Valve	56V928
210	041	Valve	56V929
210	041	Valve	56V930
210	041	Valve	56V931
210	041	Valve	56V932
210	041	Valve	56V933
210	041	Valve	56V934
210	042	End	56E844
210	042	End	56E845
210	042	End	56E846
210	042	End	56E847
210	042	End	56E848
210	042	Flange	56F845
210	042	Flange	56F847
210	042	Flange	56F848
210	042	Flange	56F849

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RCRA ORGANIC EQUIPMENT LOCATION

ROOM #	DRAWING #	TYPE	EQUIP #
210	041	End	56E900
210	041	End	56E901
210	041	End	56E902
210	041	End	56E905
210	041	End	56E906
210	041	End	56E907
210	041	End	56E908
210	041	End	56E909
210	041	End	56E910
210	041	End	56E911
210	041	End	56E913
210	041	End	56E914
210	041	End	56E915
210	041	End	56E916
210	041	End	56E917
210	041	End	56E918
210	041	End	56E919
210	041	End	56E920
210	041	Flange	56F901
210	041	Flange	56F902
210	041	Flange	56F903
210	041	Flange	56F905
210	041	Flange	56F906
210	041	Flange	56F907
210	041	Flange	56F908
210	041	Flange	56F909
210	041	Flange	56F910
210	041	Flange	56F911
210	041	Flange	56F914
210	041	Flange	56F915

7. POST PERFORMANCE ACTIVITY

Operator

[1] Ensure that **ALL** activities are appropriately documented on the RCRA Inspection Logsheet

Unit Owner

[2] Verify that **ALL** activities are appropriately documented on the RCRA Inspection Logsheet

Supervisor

[3] Ensure that the OVM and the OVM operating instructions have been returned to IH&S

7.1 Disposition

Unit Owner

[1] Ensure that corrective actions are addressed and documented in the appropriate RCRA Inspection Logsheet

7.2 Records

Unit Owner

Ensure that the documents generated during the performance of this procedure are controlled as follows

Record Identification	Record Type Determination	Protection/storage Methods	Processing Instructions
RCRA Inspection Logsheet	QA	Manager shall implement reasonable level of protection to prevent loss and/or degradation while in process Documents shall be protected utilizing standard office equipment and methods when not in use	Maintain and Disposition RCRA Inspection Logsheet in accordance with RM-06 02, Records Identification, Generation and Transmittal

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5. INSTRUCTIONS—MONITORING (continued)

[4] Enter the OVM Serial number, the equipment, line or connector RCRA number **AND** parts per million value in the comments section of the RCRA Inspection Logsheet

[5] **IF** monitoring involves multiple locations,
THEN repeat steps 5 [2] through 5 [4]

[6] **WHEN** the required RCRA organic equipment, line(s) and/or connector(s) has/have been monitored,
THEN return the OVM to the Supervisor

4.0 PREREQUISITE ACTIONS

Supervisor

[1] Ensure that the operations associated with the performance of this procedure are listed on the Plan of the Day (POD) and the Configuration Control Authority (CCA) has authorized the performance of this procedure

[2] Ensure that a minimum of one qualified operator is present during performance of this procedure

[3] Ensure that a Radiological Work Permit (RWP), when required, is obtained in accordance with the Radiological Safety Practicel Manual (RSP)

[4] Obtain an Organic Vapor Monitor (OVM) with a current calibration date and the OVM operating instructions appropriate for the application (i e hose extension) from Industrial Hygiene and Safety (IH&S)

[5] Ensure that a pre-evolution briefing is performed in accordance with MAN-066-COOP, Site Conduct of Operations Manual

Operator

[6] Ensure that the operator has read and understood the appropriate MSDS

[7] Ensure that the appropriate RCRA Inspection Logsheet is available

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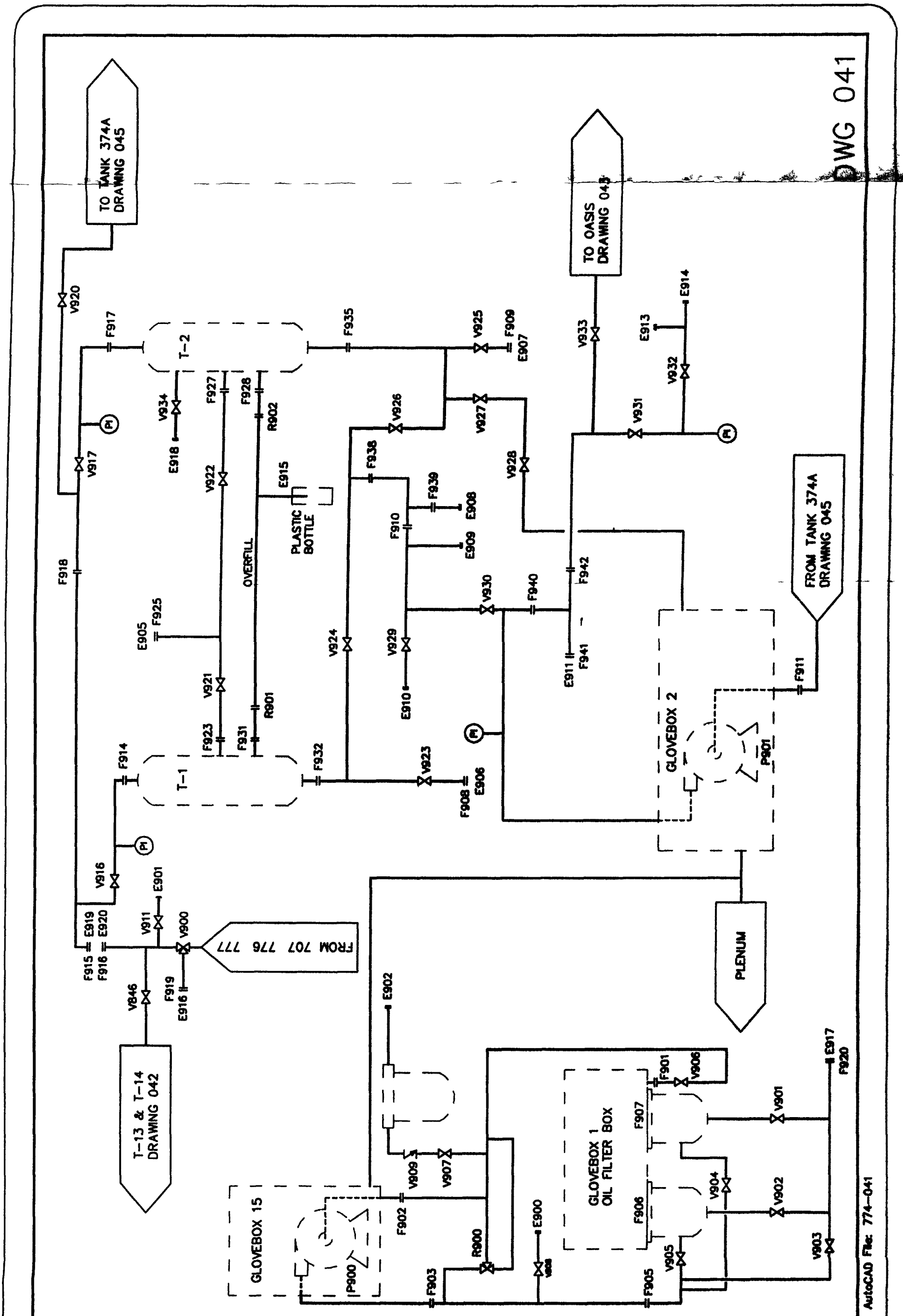
SCHEMATICS Drawing 042



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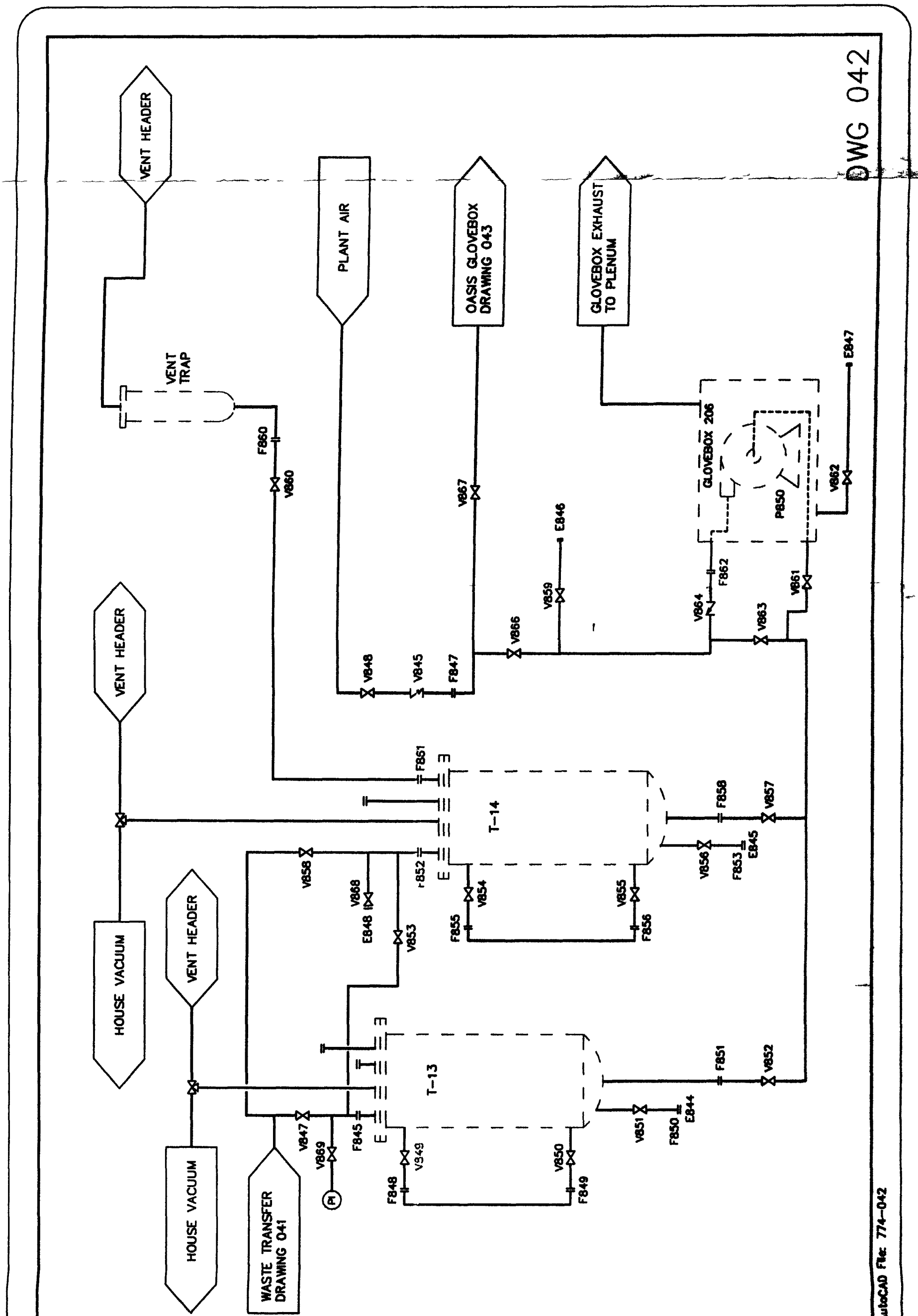
SCHEMATICS Drawing 042



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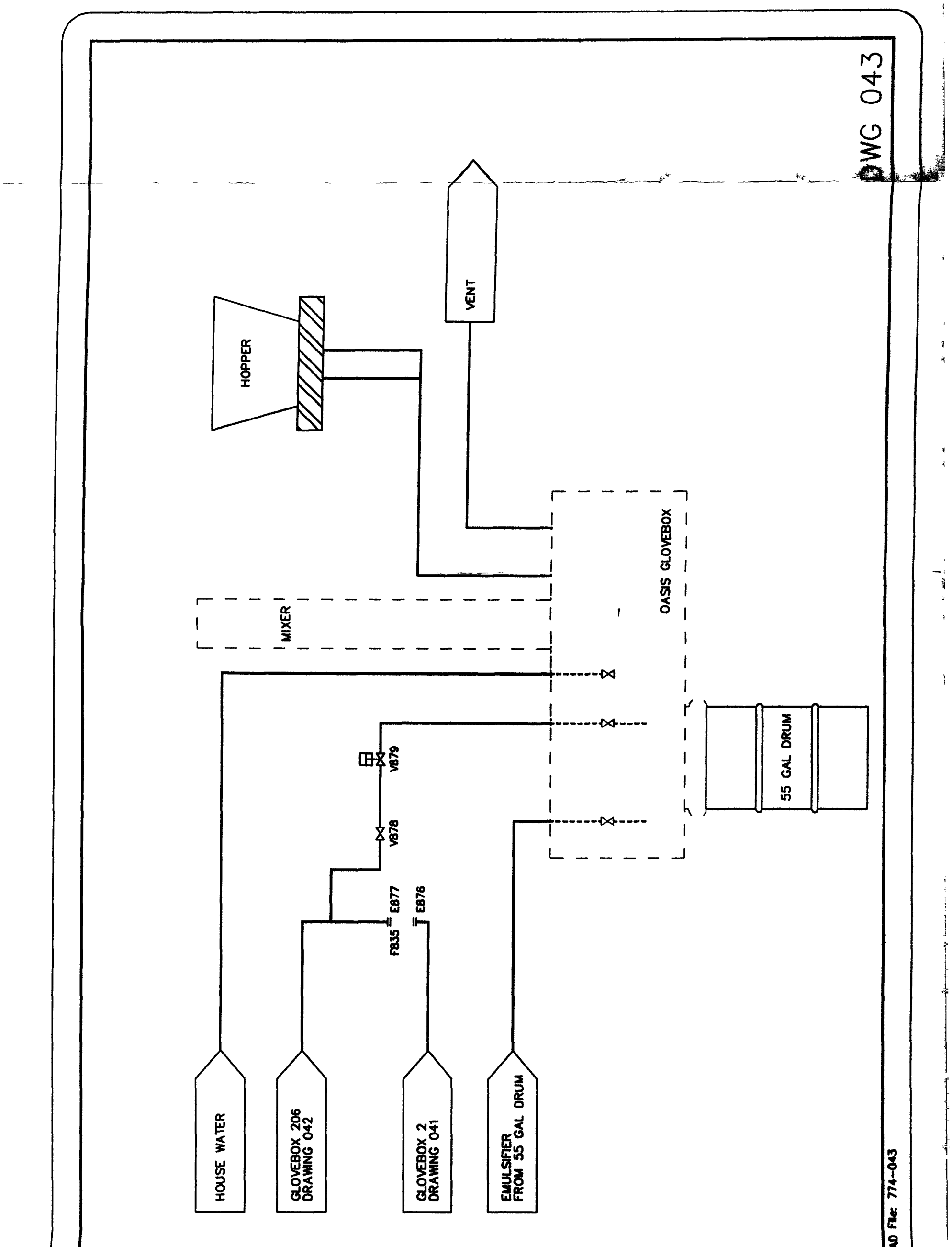
SCHEMATICS Drawing 043



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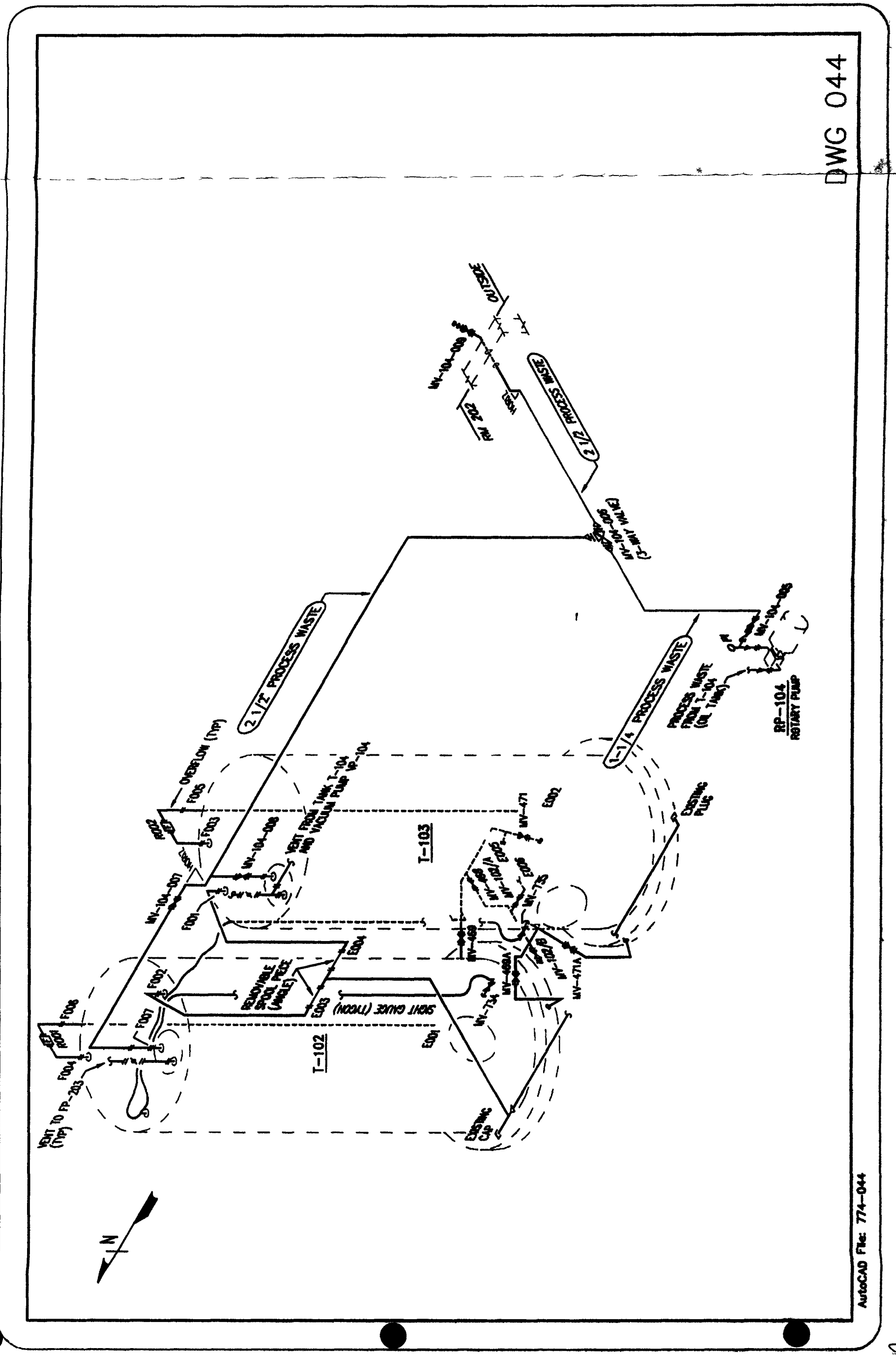
SCHEMATICS Drawing 044



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SCHEMATICS Drawing 045